

Docket No. 00962.002US1

**Clean Version of Pending Claims**

**SYSTEM, METHOD, AND SOFTWARE FOR INSERTING  
HYPERLINKS INTO DOCUMENTS**

Applicant: Douglas T. Rosenoff et al.

Serial No.: 09/237,219

C 5107  
1. (Thrice Amended) A method of automatically inserting hyperlinks into a document, comprising:

receiving one or more documents;

searching one or more documents for content having one or more predefined forms, with the predefined forms defined prior to receiving the one or more documents;

automatically marking one or more portions of one or more of the searched documents based on results of searching the one or more documents for content having one or more of the predefined forms; and

generating one or more hyperlinks, with each hyperlink including at least a portion of the content of the one or more of the marked portions and identifying a computerized service for use in conducting a search based on the included portion of the content.

2. (Thrice Amended) A method of automatically inserting hyperlinks into a document, comprising:

receiving one or more documents;

a step for searching one or more documents for content having one or more predefined forms, with the one or more predefined forms defined prior to receiving the one or more documents;

a step for automatically marking one or more portions of one or more of the searched documents based on results of searching the one or more documents for content having the predefined forms; and

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a step for generating one or more hyperlinks, with each hyperlink including at least a portion of the content of one or more of the marked portions and identifying a computerized service for use in conducting a search based on the included portion of the content.

3. (Thrice Amended) A computer system comprising:

means for searching one or more received documents for content matching one or more predefined forms, with the one or more predefined forms defined prior to receipt of the documents;

means for automatically marking one or more portions of one or more of the searched documents based on results of searching the one or more documents for content having the one or more predefined forms; and

means for generating one or more hyperlinks, with each hyperlink including at least a portion of the content of the one or more of the marked portions and identifying a computerized service for use in conducting a search based on the included portion of the content.

4. (Thrice Amended) A computer system comprising:

a processor;

a memory coupled to the processor, with the memory storing:

a first set of instructions for searching one or more received documents for content having one or more predefined forms, with the one or more predefined forms defined prior to receipt of the one or more documents;

a second set of instructions for automatically marking one or more portions of one or more of the searched documents based on results of searching the one or more documents for content having the one or more predefined forms; and

a third set of instructions for generating one or more hyperlinks, with each

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hyperlink including at least a portion of the content of one or more of the marked portions of the documents and identifying a computerized service for use in conducting a search based on the included portion of the content.

## 5. (Thrice Amended) A computer-readable medium comprising:

- a first set of instructions for searching one or more documents for content having one or more predefined forms;
- a second set of instructions for automatically marking one or more portions of one or more of the searched documents based on results of searching the one or more documents for content having the one or more predefined forms; and
- a third set of instructions for generating one or more hyperlinks, with each hyperlink including at least a portion of the content of one or more of the marked portions and identifying a computerized service for use in conducting a search based on the included portion.

## 6. (Thrice Amended) An automated method of defining hyperlinks for a document, comprising:

- automatically marking one or more portions of the document; and
- defining one or more hyperlinks for one or more of the marked portions of the document, with each hyperlink including at least a portion of one of the marked portions of the document and identifying a computerized service for use in conducting a search based on the included portion.

7. The method of claim 6, wherein each hyperlink further includes account information for a user.

8. The method of claim 6, wherein each hyperlink further includes a domain name common to all the hyperlinks.

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9. The method of claim 6, wherein each hyperlink includes a domain name common to all the hyperlinks and information based on a syntactic or semantic analysis of at least a portion of one of the marked portions of the document.
14. (Thrice Amended) A method of defining hyperlinks in a computer system, comprising:  
automatically marking a portion of a first document;  
defining a hyperlink to point to one of at least two or more destinations based on one or more user preferences; and  
associating the defined hyperlink with the marked portion of the first document.
15. (Twice Amended) The method claim 14:  
wherein one or more of the user preferences includes information related to one or more preferred hyperlink destinations, or information related to cost, or information related to access time; and  
wherein defining the hyperlink includes selecting the one destination based on the retrieved preferences.
17. (Thrice Amended) A method of automatically inserting hyperlinks into a document, comprising:  
searching one or more documents;  
automatically marking one or more portions of one or more of the documents based on results of searching the one or more documents; and  
generating one or more hyperlinks, with each hyperlink including at least a portion of one of the marked portions and identifying a computerized service for use in conducting a search based on the included portion.
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19. The method of claim 1, wherein the one or more predefined forms includes citations to

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printed publications.

20. The method of claim 1, wherein one or more of the marked portions includes a citation to a document, the citation including a volume identifier, a page identifier, and a publication identifier, and wherein at least one of the generated hyperlinks includes the volume, page, and publication identifiers.

21. (Amended) A method of automatically inserting hyperlinks into a document, comprising:

searching one or more documents for content having one or more forms;  
automatically marking one or more portions of one or more of the searched documents  
based on results of searching the one or more documents for content having one or more of the forms; and  
generating one or more hyperlinks, with each hyperlink having a format based on the content of one or more of the marked portions of the documents, wherein one or more of the generated hyperlinks includes at least one query connector.

22. The method of claim 1, wherein one or more of the generated hyperlinks further includes at least one search instruction.

23. (Amended) A method of automatically inserting hyperlinks into a document, comprising:  
searching one or more documents for content having one or more forms;  
automatically marking one or more portions of one or more of the searched documents  
based on results of searching the one or more documents for content having one or more of the forms; and  
generating one or more hyperlinks, with one or more of the generated hyperlinks including a search-method identifier.

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24. The method of claim 23, wherein the search-method identifier identifies one of a natural-language search method and a boolean search method.

25. The method of claim 1, wherein one or more of the generated hyperlinks further includes account information for a user.

26. The method of claim 1, wherein one or more of the generated hyperlinks further includes information identifying a third-party sponsor for facilitating access to a document in a database associated with the one hyperlink.

27. The method of claim 1, further comprising associating at least one of the generated hyperlinks with at least one of the marked portions.

28. The method of claim 27, wherein associating at least one of the generated hyperlinks with at least one of the marked portions includes associating at least one of the generated hyperlinks with at least two of the marked portions.

29. (Amended) The method claim 14:  
wherein the one or more user preferences includes information related to cost; and  
wherein defining the hyperlink includes selecting the one destination based on cost.

30. (Amended) The method claim 14:  
wherein the one or more user preferences includes information related to access time; and  
wherein defining the hyperlink includes selecting the one destination based on access time.

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31. The method of claim 14, wherein one of the two or more destinations is within the computer system and another of the two or more destinations is without the computer system.
32. The method of claim 14:  
wherein the marked portion includes a citation to a document, the citation including a volume identifier, a page identifier, and a publication identifier; and  
wherein the defined hyperlink includes the volume, page, and publication identifiers.
33. The method of claim 14, wherein the defined hyperlink includes at least one query connector.
34. The method of claim 14, wherein the hyperlink further includes at least one search instruction.
35. The method of claim 14, wherein the hyperlink identifies one of a natural-language search method and a boolean search method.
36. The method of claim 14, wherein the hyperlink further includes account information for a user.
37. The method of claim 14, wherein the hyperlink further includes information regarding a third-party sponsor for facilitating access to a document in a database associated with the one hyperlink.
38. The method of claim 14, wherein associating at least one of the generated hyperlinks with at least one of the marked portions includes associating at least one of the generated hyperlinks with at least two of the marked portions.

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39. The method of claim 17, further comprising associating at least one of the generated hyperlinks with at least one of the marked portions.

40. The method of claim 39, wherein associating at least one of the generated hyperlinks with at least one of the marked portions includes associating at least one of the generated hyperlinks with at least two of the marked portions.

41. (Amended) The method of claim 40, wherein associating at least one of the generated hyperlinks with at least one of the marked portions includes anchoring at least one of the generated hyperlinks to at least one of the marked portions.

42. The method of claim 17, wherein searching the one or more documents comprises searching for citations to other documents.

43. The method of claim 17, wherein searching the one or more documents comprises searching for citations to other documents.

44. The method of claim 17, wherein searching the one or more documents comprises searching for proper names.

45. The method of claim 17:  
wherein one or more of the marked portions include a citation to a document, with the  
citation including a page identifier and a publication identifier; and  
wherein at least one of the hyperlinks includes the page and publication identifiers.

46. The method of claim 17, wherein at least one of the hyperlinks includes at least one query connector.



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47. The method of claim 17, wherein at least one of the hyperlinks identifies one of a natural-language search method and a boolean search method.

48. The method of claim 17, wherein at least one of hyperlinks further includes account information for a user.

49. The method of claim 17, wherein at least one of the hyperlinks further includes information regarding a third-party sponsor for facilitating access to a document in a database associated with the one hyperlink.

50. (New) A method comprising:  
automatically marking one or more portions of a document; and  
generating one or more hyperlinks, with each hyperlink associated with at least one of the marked portions and each hyperlink having a URL that includes at least a portion of one of the marked portions.

51. (New) The method of claim 50:  
wherein automatically marking one or more portions of a document comprises marking one or more citations to other documents in the document; and  
wherein each hyperlink associated with a marked citation has a URL that includes at least a portion of the marked citation.

52. (New) The method of claim 51, wherein one or more of the citations includes a page identifier and a publication identifier.

53. (New) The method of claim 50, wherein automatically marking one or more portions of a document comprises marking proper names in the document.

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54. (New) The method of claim 50, wherein the URL for at least one of the generated hyperlinks identifies a computerized service for use in conducting a search based on the included portion.
55. (New) The method of claim 50, wherein the URL for at least one of the hyperlinks includes at least one query connector.
56. (New) The method of claim 50, wherein the URL for at least one of the hyperlinks identifies one of a natural-language search method and a boolean search method.
57. (New) The method of claim 50, wherein the URL for at least one of the hyperlinks includes account information for a user.
58. (New) The method of claim 50, wherein the URL for at least one of the hyperlinks includes information regarding a third-party sponsor for facilitating access to a document in a database associated with the one hyperlink.
59. (New) The method of claim 50, wherein the URL does not identify a logical name for a document in a database.
60. (New) A machine-readable medium comprising instructions for implementing the method of claim 50.

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61. (New) Apparatus comprising:

means for automatically marking one or more portions of a document; and

means for generating one or more hyperlinks, with each hyperlink associated with at least one of the marked portions and each hyperlink having a URL that includes at least a portion of one of the marked portions.